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C. If the replaceable light source has both a lower beam and upper beam filament or discharge arc, the dimensional relationship between the two filament or discharge arc centerlines or the filament or discharge arc tolerance boxes may be provided instead of referencing the upper beam filament or discharge arc centerline or filament or discharge arc tolerance box to the bulb base centerline or reference plane.

D. For a light source using excited gas mixtures as a filament, necessary fiducial information and specifications including electrode position dimensions, and tolerance information that provide similar location and characteristics information required by paragraphs A, B, and C of this section I for light sources using a resistive type filament.

II. Bulb Base Interchangeability Dimensions and Tolerance.

A. Angular locations, diameters, key/keyway sizes, and any other interchangeability dimensions for indexing the bulb base in the bulb holder.

B. Diameter, width, depth, and surface finish of seal groove, surface, or other pertinent sealing features.

C. Diameter of the bulb base at the interface of the base and its perpendicular reference surface.

D. Dimensions of features related to retention of the bulb base in the bulb holder such as tabs, keys, keyways, surface, etc.

III. Bulb Holder Interchangeability Dimensions and Tolerances.

A. Mating angular locations, diameters, key/keyway sizes, any other interchangeability dimensions for indexing the bulb base in the bulb holder.

B. Mating diameter, width, depth, and surface, or other pertinent sealing features.

C. Mating diameter of the bulb holder at the interface of the bulb base aperture and its perpendicular reference surface.

D. Mating dimensions of features related to retention of the bulb base in the bulb holder such as tabs, keys, keyways, surface, or any other characteristics necessary for mating dimensions.

IV. Electrical Specifications for Each Light Source that Operates With a Ballast and Rated Life of the Light Source/Ballast Combination.

A. Maximum power (in watts).

B. Luminous Flux (in lumens).

C. Rated laboratory life of the light source/ballast combination (not less than 2,000 hours).

V. Applicable to Light Sources that Operate With a Source Voltage Other Than 12.8 Volts Direct Current, and When a Proprietary Ballast Must Be Used With the Light Source.

A. Manufacturer's part number for the ballast.

B. Any other characteristics necessary for system operation.

VI. Bulb Markings/Designation—ANSI NUMBER, ECE IDENTIFIER, MANUFACTURER'S PART NUMBER, INDIVIDUAL OR IN ANY COMBINATION.

VII. All other identification, dimensions or performance specifications necessary for replaceability or systems test not listed in sections I through VI.

[61 FR 20500, May 7, 1996]

EFFECTIVE DATE NOTE: At 72 FR 68266, Dec. 4, 2007, part 564 was revised, effective Sept. 1, 2008. At 73 FR 50730, Aug. 28, 2008, the revision of part 564 was delayed until Dec. 1, 2009. For the convenience of the user, the revised text is set forth as follows:

PART 564—REPLACEABLE LIGHT SOURCE AND SEALED BEAM HEADLAMP INFORMATION

Sec.

564.1 Scope.

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APPENDIX A TO PART 564—INFORMATION TO BE SUBMITTED FOR REPLACEABLE LIGHT SOURCES

APPENDIX B TO PART 564—INFORMATION TO BE SUBMITTED FOR LONG LIFE REPLACEABLE LIGHT SOURCES OF LIMITED DEFINITION

APPENDIX C TO PART 564—INFORMATION APPLICABLE TO STANDARDIZED SEALED BEAM HEADLAMP UNITS

AUTHORITY: 49 U.S.C. 322, 30111, 30115, 30117, 30166; delegation of authority at 49 CFR 1.50.

§ 564.1 Scope.

This part requires the submission of dimensional, electrical specification, and marking/designation information as specified in appendices A and B of this part, for original equipment replaceable light sources used in motor vehicle headlighting systems. This part also serves as a repository for design information as specified in appendix C of this part, for original equipment and replacement standardized sealed beam units used in motor vehicle headlighting systems.

§ 564.2 Purposes.

The purposes of this part are achieved through its Appendices:

(a) The purposes of appendix A of this part are to ensure:

(1) The availability to replacement light source manufacturers of the manufacturing specifications of original equipment light sources so that replacement light sources are interchangeable with original equipment light sources and provide equivalent performance, and

(2) That redesigned or newly developed light sources are designated as distinct, different, and noninterchangeable with previously existing light sources.

(b) The purposes of appendix B of this part are to ensure:

(1) That original equipment light sources are replaceable and that replacement light sources provide equivalent performance, and

(2) That redesigned or newly developed light sources are designated as distinct, different, and noninterchangeable with previously existing light sources.

(c) The purpose of appendix C of this part is to ensure the availability to original equipment and replacement sealed beam headlamp manufacturers of the manufacturing specifications of standardized sealed beam headlamp units used on motor vehicles so that all sealed beam headlamp units of a specific type are interchangeable with all other units of that same type and provide equivalent performance.

§ 564.3 Applicability.

This part applies to replaceable light sources used as original equipment, and standardized sealed beam headlamp units used as original equipment and replacement equipment in motor vehicle headlighting systems.

§ 564.4 Definitions.

All terms defined in the Act and the regulations and standards issued under its authority are used as defined therein.

§ 564.5 Information filing; agency processing of filings.

(a) Each manufacturer of a motor vehicle, original equipment headlamp, or original equipment headlamp replaceable light source, which intends to manufacture a replaceable light source as original equipment or to incorporate a replaceable light source in its headlamps or motor vehicles, shall furnish the information specified in appendix A. If the rated laboratory life of the light source is not less than 2,000 hours, the manufacturer shall furnish the information specified in either appendix A or appendix B of this part. Information shall be furnished to: Associate Administrator for Rulemaking, National Highway Traffic Safety Administration, 1200 New Jersey Avenue, SE., West Building, Washington, DC 20590 Attention: Part 564-Replaceable Light Source Information (unless the Agency has already filed

such information in Docket No. NHTSA 98-3397).

(b) The manufacturer shall submit such information not later than 60 days before it intends to begin manufacture of the replaceable light source to which the information applies, or to incorporate the light source into a headlamp, or to incorporate the light source into a motor vehicle of its manufacture. Each submission shall consist of one original set of information and ten legible reproduced copies, all on 8½ by 11-inch paper.

(c) The Associate Administrator promptly reviews each submission and informs the manufacturer not later than 30 days after its receipt whether the submission has been accepted. Upon acceptance, the Associate Administrator files the information in Docket No. NHTSA 98-3397. The Associate Administrator does not accept any submission that does not contain all the information specified in appendix A or appendix B of this part, or whose accompanying information indicates that any new light source which is the subject of a submission is interchangeable with any replaceable light source for which the agency has previously filed information in Docket No. NHTSA 98-3397.

(d) A manufacturer may request modification of a light source for which information has previously been filed in Docket No. NHTSA 98-3397, and the submission shall be processed in the manner provided by § 564.5(c). A request for modification shall contain the following:

(1) All the information specified in appendix A or appendix B of this part that is relevant to the modification requested,

(2) The reason for the requested modification,

(3) A statement that the use of the light source as modified will not create a non-compliance with any requirement of Federal Motor Vehicle Safety Standard No. 108 (49 CFR 571.108) when used to replace an unmodified light source in a headlamp certified by its manufacturer as conforming to all applicable Federal motor vehicle safety standards, together with reasons in support of the statement; and

(4) Information demonstrating that the modification would not adversely affect interchangeability with the original light source.

After review of the request for modification, the Associate Administrator may seek further information either from the manufacturer or through a notice published in the FEDERAL REGISTER requesting comment on whether a modified light source incorporating the changes requested will create a noncompliance with Federal Motor Vehicle Safety Standard No. 108 when substituted for an unmodified light source. If the Associate Administrator seeks public comment on a